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AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently amended) An integrated speech synthesizer with an automatic identification of speaker connections comprising:
 - a sound encode register for storing encoded digitized sound data;
 - a first speech synthesis digital to analog converter unit connected to said sound encode register for converting said digitized sound data from said sound encode register to a first analog signal and sending out said first analog signal through a first output terminal;
 - a second speech synthesis digital to analog converter unit connected to said sound encode register for converting said digitized sound data from said sound encode register to a second analog signal and sending out said second analog signal through a second output terminal and said first output terminal; and
 - a state register connected to said first output terminal for <u>detecting and</u> storing

 a <u>connection</u> state of said first output terminal before said speech

 synthesizer is enabled, <u>said state register having an output coupled</u>

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to said sound encode register, said first digital to analog converter
unit and said second digital to analog converter unit to thereby [[;]]
wherein said speech synthesizer is automatically set up with an initial value in
reference to said state stored in said state register for said first and
second digital to analog converters.

- 2. (Cancelled),
- 3. (Currently enabled) An integrated speech synthesizer according to claim [[2]] 1 wherein said state register detects said first output terminal is in a high impedance state before connected to a speaker said speech synthesizer is enabled responsive to a speaker being coupled between said first and second output terminals.
- 4. (Currently amended) An integrated speech synthesizer according to claim [[3]] 1 wherein said state register detects said first output terminal is in a low level and said first before said speech synthesis unit can be synthesizer is enabled when responsive to a drive circuit for said a speaker is being connected to said first output terminal only.

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- 5. (Currently amended) An integrated speech synthesizer according to claim 1 wherein said second speech synthesis digital to analog converter unit is a direct drive type speech synthesis unit.
- 6. (Currently amended) An integrated speech synthesizer according to claim 5 wherein said second speech synthesis <u>digital</u> to analog converter unit is a push-pull type speech synthesis <u>digital</u> to analog converter unit.
 - 7. (Cancelled).
- 8. (Currently amended) An integrated speech synthesizer according to claim [[7]] 1 wherein said second output terminal is in a high level before said speech synthesizer is enabled.
 - 9. (Cancelled).
- 10. (Currently amended) A method for automatic identification of speaker connections to an integrated speech synthesizer with a PCM and direct drive type speech synthesis pair of digital to analog converter units, a first of said PCM speech synthesis pair of digital to analog converter units enable to sending out a first analog signal from a first output terminal, a second of said pair of digital to

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analog converter said direct drive type speech synthesis units enable to sending out a second analog signal from a second output terminal and said first output terminal, said method comprising:

setting said first output terminal to a high impedance state prior to input of

digital speech signals to said pair of digital to analog converter units;

sending out a preset voltage from said second output terminal;

detecting and storing a state of said first output terminal with a state register

having an input coupled thereto, the detection and storing step

occurring prior to said input of the digital speech signals before said

speech synthesizer is enabled; and

setting up said speech synthesizer with an initial value input to said pair of

digital to analog converter units responsive to in reference to said

detected state stored in said state register.

- 11. (Original) A method according to claim 10 wherein said preset voltage is high,
- 12. (Currently Amended) A method according to claim 10 wherein the step of detecting and storing includes the step of setting a flag to indicate said first output terminal is in a low-level and said first speech synthesis unit can be enabled when a drive circuit for said a speaker is connected to only said first output terminal

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enly responsive to a low level being detected at said first output terminal prior to said input of digital speech signals.

13. (Currently amended) A method according to claim 10 wherein the step of detecting and storing includes the step of setting a flag to indicate a said first output terminal is in a high level and said direct drive type speech synthesis unit can be enabled when said speaker is connected to said first and second output terminals responsive to a high level being detected at said first output terminal prior to said input of digital speech signals.